

XP-002192478

AN - 1999-586020 [50]

AP - JP19980320290 19981111

CPY - MITU

DC - A85 L03 X16

DR - 1738-U 1779-U 1532-U 1066-U 1841-U

FS - CPI;EPI

IC - B29C67/20 ; B29K23/00 ; B29K27/12 ; B29K105/04 ; C08J9/00 ; C08L23/02 ;  
C08L27/12 ; H01M2/16 ; H01M10/40

MC - A09-A09 A11-C04E A12-E06B L03-E01A

- X16-B01F X16-F02

PA - (MITU ) MITSUBISHI CHEM CORP

PN - JP11255931 A 19990921 DW199950 C08J9/00 005pp

PR - JP19980002174 19980108

XA - C1999-171070

XIC - B29C-067/20 ; B29K-023/00 ; B29K-027/12 ; B29K-105/04 ; C08J-009/00 ;  
C08L-023/02 ; C08L-027/12 ; H01M-002/16 ; H01M-010/40

XP - N1999-433164

AB - JP11255931 NOVELTY - A porous resin film is subjected to a surface plasma treatment by inorganic gas. The film has a thickness of 5-200 μm, porosity of 20-80%, air permeability of 10-1500 seconds/100 cc, a heat occlusion temperature of 90-160 deg. C and a film fracture temperature of 160-300 deg. C. The heat occlusion temperature is raised by 15 deg. C.

- USE - The porous film is used for battery separators in lithium secondary batteries (claimed), for membrane filters, packaging materials, medical uses and clothing.

- ADVANTAGE - The porous film has good heat occlusion property and heat resistant shape maintenance property.

- (Dwg.0/0)

IW - POROUS FILM BATTERY SEPARATE PREDEFINED POROUS AIR PERMEABLE HEAT OCCLUDE TEMPERATURE

IKW - POROUS FILM BATTERY SEPARATE PREDEFINED POROUS AIR PERMEABLE HEAT OCCLUDE TEMPERATURE

NC - 001

OPD - 1998-01-08

ORD - 1999-09-21

PAW - (MITU ) MITSUBISHI CHEM CORP

TI - Porous film for battery separators - has predefined porosity, air permeability and heat occlusion temperature

A01 - [001] 018 ; G0033-R G0022 D01 D02 D51 D53 ; H0000 ; H0011-R ;  
M9999 M2802 ; L9999 L2391 ; L9999 L2802 ; K9427 ; P1150

- [002] 018 ; Q9999 Q7341 Q7330 ; B9999 B5221 B4740 ; ND01 ; B9999  
B4875 B4853 B4740 ; B9999 B5492 B5403 B5276 ; N9999 N7227 N7023 ;  
K9427 ; B9999 B5243-R B4740 ; Q9999 Q8060 ; Q9999 Q7567 ; Q9999  
Q8366-R ; Q9999 Q7987-R ; Q9999 Q7056-R ; B9999 B5550 B5505 ;  
B9999 B4682 B4568